



SEQUENCE LISTING

<110> Perez-Villar, Juan J.

Chang, Han

Yang, Wen-Pin

Wu, Yuli

Whitney, Gena S.

Kanner, Steven B.

<120> Identification and Cloning of a Full-length Human Clnk-related Gene, MIST (Mast Cell Immunoreceptor Signal Transducer)

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<140> US/09/966,955

<141> 2001-09-28

<150> 60/237030

<151> 2000-09-29

<160> 52

<170> PatentIn Ver. 2.1

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<211> 1851

<212> DNA

<213> HUMAN

COPY OF PAPERS
ORIGINALLY FILED

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35 40 45

Asn Ser Ala Thr Gly Gln Tyr Gln Arg Met Asn Lys Pro Leu Leu Asp
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Trp Glu Arg Asn Phe Ala Ala Val Leu Asp Gly Ala Lys Gly His Ser
65 70 75 80

Asp Asp Asp Tyr Asp Asp Pro Glu Leu Arg Met Glu Glu Thr Trp Gln
85 90 95

Ser Ile Lys Ile Leu Pro Ala Arg Pro Ile Lys Glu Ser Glu Tyr Ala
100 105 110

Asp Thr His Tyr Phe Lys Val Ala Met Asp Thr Pro Leu Pro Leu Asp
115 120 125

Thr Arg Thr Ser Ile Ser Ile Gly Gln Pro Thr Trp Asn Thr Gln Thr
130 135 140

Arg Leu Glu Arg Val Asp Lys Pro Ile Ser Lys Asp Val Arg Ser Gln
145 150 155 160

Asn Ile Lys Gly Asp Ala Ser Val Arg Lys Asn Lys Ile Pro Leu Pro
165 170 175

Pro Pro Arg Pro Leu Ile Thr Leu Pro Lys Lys Tyr Gln Pro Leu Pro
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Pro Glu Pro Glu Ser Ser Arg Pro Pro Leu Ser Gln Arg His Thr Phe
 195 200 205
 Pro Glu Val Gln Arg Met Pro Ser Gln Ile Ser Leu Arg Asp Leu Ser
 210 215 220
 Glu Val Leu Glu Ala Glu Lys Val Pro His Asn Gln Arg Lys Pro Glu
 225 230 235 240
 Ser Thr His Leu Leu Glu Asn Gln Asn Thr Gln Glu Ile Pro Leu Ala
 245 250 255
 Ile Ser Ser Ser Phe Thr Thr Ser Asn His Ser Val Gln Asn Arg
 260 265 270
 Asp His Arg Gly Gly Met Gln Pro Cys Ser Pro Gln Arg Cys Gln Pro
 275 280 285
 Pro Ala Ser Cys Ser Pro His Glu Asn Ile Leu Pro Tyr Lys Tyr Thr
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 Ser Trp Arg Pro Pro Phe Pro Lys Arg Ser Asp Arg Lys Asp Val Gln
 305 310 315 320
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 <223> HUMAN MIST SPLICE VARIANT cDNA CLONE #7, NUCLEIC
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<211> 428

<212> PRT

<213> HUMAN

<220>

<223> HUMAN MIST SPLICE VARIANT CLONE #7, AMINO ACID
SEQUENCE

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Asp Trp Glu Arg Asn Phe Ala Ala Val Leu Asp Gly Ala Lys Gly His		
50	55	60
Ser Asp Asp Asp Tyr Asp Asp Pro Glu Leu Arg Met Glu Glu Thr Trp		
65	70	75
Gln Ser Ile Lys Ile Leu Pro Ala Arg Pro Ile Lys Glu Ser Glu Tyr		
85	90	95
Ala Asp Thr His Tyr Phe Lys Val Ala Met Asp Thr Pro Leu Pro Leu		
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Asp Thr Arg Thr Ser Ile Ser Ile Gly Gln Pro Thr Trp Asn Thr Gln		
115	120	125
Thr Arg Leu Glu Arg Val Asp Lys Pro Ile Ser Lys Asp Val Arg Ser		
130	135	140
Gln Asn Ile Lys Gly Asp Ala Ser Val Arg Lys Asn Lys Ile Pro Leu		
145	150	155
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Pro Pro Pro Arg Pro Leu Ile Thr Leu Pro Lys Lys Tyr Gln Pro Leu		
165	170	175
Pro Pro Glu Pro Glu Ser Ser Arg Pro Pro Leu Ser Gln Arg His Thr		
180	185	190
Phe Pro Glu Val Gln Arg Met Pro Ser Gln Ile Ser Leu Arg Asp Leu		
195	200	205
Ser Glu Val Leu Glu Ala Glu Lys Val Pro His Asn Gln Arg Lys Pro		
210	215	220
Glu Ser Thr His Leu Leu Glu Asn Gln Asn Thr Gln Glu Ile Pro Leu		
225	230	235
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Ala Ile Ser Ser Ser Ser Phe Thr Thr Ser Asn His Ser Val Gln Asn		
245	250	255
Arg Asp His Arg Gly Gly Met Gln Pro Cys Ser Pro Gln Arg Cys Gln		
260	265	270
Pro Pro Ala Ser Cys Ser Pro His Glu Asn Ile Leu Pro Tyr Lys Tyr		
275	280	285
Thr Ser Trp Arg Pro Pro Phe Pro Lys Arg Ser Asp Arg Lys Asp Val		
290	295	300
Gln His Asn Glu Trp Tyr Ile Gly Glu Tyr Ser Arg Gln Ala Val Glu		
305	310	315
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Glu Ala Phe Met Lys Glu Asn Lys Asp Gly Ser Phe Leu Val Arg Asp		

325

330

335

Cys Ser Thr Lys Ser Lys Glu Glu Pro Tyr Val Leu Ala Val Phe Tyr
340 345 350

Glu Asn Lys Val Tyr Asn Val Lys Ile Arg Phe Leu Glu Arg Asn Gln
355 360 365

Gln Phe Ala Leu Gly Thr Gly Leu Arg Gly Asp Glu Lys Phe Asp Ser
370 375 380

Val Glu Asp Ile Ile Glu His Tyr Lys Asn Phe Pro Ile Ile Leu Ile
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Asp Gly Lys Asp Lys Thr Gly Val His Arg Lys Gln Cys His Leu Thr
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Gln Pro Leu Pro Leu Thr Arg His Leu Leu Pro Leu
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<210> 5

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<212> DNA

<213> HUMAN

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<223> HUMAN MIST FULL-LENGTH cDNA SEQUENCE OF SPLICE
VARIANT CLONE #12, NUCLEIC ACID SEQUENCE

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<223> HUMAN MIST SPLICE VARIANT CLONE #12, TRANSLATED
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35 40 45

Thr Trp Asn Thr Gln Thr Arg Leu Glu Arg Val Asp Lys Pro Ile Ser
50 55 60

Lys Asp Val Arg Ser Gln Asn Ile Lys Gly Asp Ala Ser Val Arg Lys
65 70 75 80

Asn Lys Ile Pro Leu Pro Pro Arg Pro Leu Ile Thr Leu Pro Lys
85 90 95

Lys Tyr Gln Pro Leu Pro Pro Glu Pro Glu Ser Ser Arg Pro Pro Leu
100 105 110

Ser Gln Arg His Thr Phe Pro Glu Val Gln Arg Met Pro Ser Gln Ile
115 120 125

Ser Leu Arg Asp Leu Ser Glu Val Leu Glu Ala Glu Lys Val Pro His
130 135 140

Asn Gln Arg Lys Pro Glu Ser Thr His Leu Leu Glu Asn Gln Asn Thr

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Gln Glu Ile Pro Leu Ala Ile Ser Ser Ser Ser Phe Thr Thr Ser Asn			
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His Ser Val Gln Asn Arg Asp His Arg Gly Gly Met Gln Pro Cys Ser			
180	185	190	
Pro Gln Arg Cys Gln Pro Pro Ala Ser Cys Ser Pro His Glu Asn Ile			
195	200	205	
Leu Pro Tyr Lys Tyr Thr Ser Trp Arg Pro Pro Phe Pro Lys Arg Ser			
210	215	220	
Asp Arg Lys Asp Val Gln His Asn Glu Trp Tyr Ile Gly Glu Tyr Ser			
225	230	235	240
Arg Gln Ala Val Glu Glu Ala Phe Met Lys Glu Asn Lys Asp Gly Ser			
245	250	255	
Phe Leu Val Arg Asp Cys Ser Thr Lys Ser Lys Glu Glu Pro Tyr Val			
260	265	270	
Leu Ala Val Phe Tyr Glu Asn Lys Val Tyr Asn Val Lys Ile Arg Phe			
275	280	285	
Leu Glu Arg Asn Gln Gln Phe Ala Leu Gly Thr Gly Leu Arg Gly Asp			
290	295	300	
Glu Lys Phe Asp Ser Val Glu Asp Ile Ile Glu His Tyr Lys Asn Phe			
305	310	315	320
Pro Ile Ile Leu Ile Asp Gly Lys Asp Lys Thr Gly Val His Arg Lys			
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<213> HUMAN

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